INDEX

BIOMEDICAL ENGINEERING

Volume 5, Numbers 1-6, 1971

BIOMEDICAL ENGINEERING
Volume 5, Numbers 1-6, 1971
(A translation of Meditsinskaya Tekhnika)

A

Aizenshtat, L. I. - 33, 97, 265, 274
Akhmetov, A. G. -81
Akhutin, V. M. - 359
Aleksankin, V. F. - 317
Alekseev, G. I. - 316
Andreev, A. L. - 300
Andreev, V. S. - 111
Antonets, V. A. - 353
Apatovskii, B. E. - 106
Artamonov, B. P. - 377
Avetisov, É. S. - 265

B

Baeva, E. D. - 321
Baldin, V. P. - 160, 176, 214
Balitskii, S. P. - 100
Baranik, I. E. - 160
Baratov, Kh. A. - 297
Basov, A. N. - 300
Belilovskii, M. A. - 205
Belinkin, A. A. - 106
Bel'kevich, V. I. - 67
Belova, I. A. - 52
Belova, O. I. - 294
Berezin, I. P. - 214
Bergel'son, M. N. - 181
Berger, I.I. - 205
Bershadskii, I. G. - 59
Bezdetko, G. M. -130
Bezukh, M. S. - 239
Bokeriya, L. A. - 181
Borodai, Yu. P. - 224
Brazhnikov, E. M. - 242, 283
Burakovskii, V. I. - 181
Busygin, D. V. - 65

C

Chernovoi, V. M. - 304
Chernyakhovskii, F. R. - 166
Chevnenko, A. - 69
Chevnenko, A. A. - 170
Chikirdin, É. - 24
Chireshkin, D. G. - 244

D

Danilova, L. A. - 144
Dikov, A. A. - 271
Dolbishcheva, V. M. - 271
Dvoryakovskii, V. A. - 195
D'yachkov, K. N. - 120

E

Egorov, A. I. - 312

F

Fedorchenko, V. A. - 97
Filanovskii, B. K. - 377
Filyakin, B. F. - 345
Firsova, G. S. - 85, 340
Fridman, R. Sh. - 304
Fridman, V. E. - 15
Friedrich, K. - 24
Frolkin, O. A. - 205

G

Gaevoi, S. P. - 262
Gaisinskii, B. E. - 162
Gallinger, Yu. I. - 152
Galushkin, A. N. - 144, 334
Gamaleya, N. F. - 297
Gamper, I. G. - 359
Geselevich, A. M. - 134, 141, 234
Ginzburg, E. G. - 334
Gladilin, I. P. - 128
Glukhov, S. A. - 166, 247
Gorbovitskii, E. B. - 52
Gorbushin, N. G. - 287
Gordon, V. - 24
Grigor'ev, N. I. - 350
Grigorov, S. S. - 47
Grilikhes, M. S. - 377
Gryunmal', R. G. - 100
Gurevich, I. Ya. - 7
Gusman, V. E. - 205
Gutauskas, M. M. - 362

I

Ishuev, S. Kh. - 103
Itskov, E. Ya. - 224
Ivlichev, Yu. I. - 172
Izmailov, A. Kh. - 231

K

Kabatov, Yu. F. - 365
Kaminskii, I. V. - 160
Kapitanov, N.N. - 49
Kasatkin, Yu. N. - 312
Khazanova, O. I. - 359
Khodas, M. Ya. - 15
Khoroshilov, V. P. - 160
Khristyuk, V. A. - 304
Kiba, N. Z. - 109
Kiselev, G. A. - 123
Kiyanskaya, L. A. - 78
Klyuchevskii, V. V. - 127
Kolenko, E. A. - 239
Komarov, B. A. - 52
Komarova, V. I. - 369
Kondrat'eva, V. F. - 78, 83
Kontorovich, F. S. - 377
Korobkov, A. I. - 29
Korobov, A. Ya. - 7
Kotenev, B. M. - 144, 227
Kotovshchikova, M. A. - 334
Kovach, R.I. - 336
Kruzhalova, I. A. - 115
Kudashov, N. V. - 123
Kukhta, N. G. - 41
Kutev, Yu. M. - 331
Kuz'minskii, L. S. - 350
Kuznetsov, V. A. - 283

L

Labazov, A. V. - 347
Lanchikov, K. I. - 181
Lazarev, I. R. - 297
Levin, B. M. - 347
Levitskaya, L. A. - 278
Lifanov, A. F. - 350
Lipov, I. G. - 350
Logachev, Yu. G. - 1

Lonskii, Yu. A. - 347
Lopatin, E. A. - 322, 323,379
Lozovskii, B. V. - 126

M

Malysheva, V.V. - 115
Mamlina, V. I. - 283
Mandelzweig, Yu. - 24
Man'ko, S. N. - 244
Margolin, A. Kh. - 347
Marin, A. M. - 309
Mastryukov, V. - 69
Melent'ev, P. V. - 290
Meneheev, Kh. S. - 302
Mikheikin, V. Ya. - 65
Mityunin, N. K. -127
Molodtsov, G. V. - 181

N

Nabatchikov, V. V. - 120
Nabatov, Yu. A. - 214
Napadov, M. A. - 44
Nasledkov, V. N. - 304
Naumov, B. T. - 359
Nazyrov, R. N. - 371
Nesterov, A. P. - 123
Novikov, A. L. - 247
Novikova, E. P. - 324

O

Osipovich, L. A. - 359
Ovsyshcher, I. A. - 340

P

Pashkovskii, A. N. - 359
Petrauskas, A. V. - 362
Petrov, E. N. - 290
Petrova, L. N. - 290
Petrova, N. P. - 49
Petrovskaya, R. M. - 189,324
Pisarevskii, A. A. - 20, 242, 283
Pleshanov, G. S. - 172
Poddubnaya, N. P. - 109
Podgornyi, V. - 24
Polyakov, V. P. - 304
Polyakova, S. P. - 74
Pomazov, A. A. - 350
Pozharov, A. V. - 83
Provotorov, V. M. - 345
Purizhanskii, I. I. - 312
Pyrkov, L. M. - 331

R

Rabinovich, F. M. - 319
Rafal'son, A. E. - 100
Rapoport, E. S. - 198
Reiderman, E. N. - 166
Rostovtsev, B. N. - 214
Rozanov, S. V. - 81
Russiyan, E. K. - 283
Ryazanov, I. I. - 350

S

Sadykov, R. N. - 302
Sadykov, R. S. - 103
Sakharov, Yu. I. - 123
Salov, S. S. - 252, 380
Sambek, L. S. - 369
Samburskii, A. I. - 347
Sausen, K. N. - 144
Savel'ev, G.I. - 130
Savel'ev, I. A. - 47
Savkin, Yu. I. - 242
Semenov, S. E. - 323
Sereda, G. S. - 55
Shalybkova, O. P. - 184
Shapiro, E. N. - 181
Shapiro, M. G. - 217
Shapiro, Z. Sh. - 120, 262, 265
Sharapov, V. N. - 247
Shereshevskii, O. V. - 155
Shevtsov, I. P. - 350
Shifrin, L. I. - 149, 334
Shigabutdinov, T. S. - 44
Shteingart, M. Z. - 290
Shul'meister, A. G. - 369
Shvedov, Yu. A. - 294, 374
Silvanov, V. N. - 181
Sitalo, A. N. - 184
Skhirtladze, A. A. - 147, 357
Slavin, M. B. - 365
Slepov, M. I. - 231
Slutskii, M. E. - 100
Sobakin, M. A. - 147
Sochivko, L. F. - 100
Soloveichik, L. L. - 44
Soroka, A. B. - 209
Spiridonova, I. K. - 353
Stadnitskii, Yu. P . - 152, 242
Stakhov, A. A. - 81, 217
Stepanov, V. N. - 314
Stetsin, A. A. - 205
Storozhenko, L. N. - 20
Sultanov, T. A. - 160, 176
Super, N. A. - 278
Sverdlov, D. L. - 359

T

Taborovskii, I. - 24
Taube, G. - 24
Terletskii, V. A. - 55
Tishechkin, Yu. V. - 20
Tofan, A. V. - 41
Tomkevich, T. A. - 325
Treskunov, A. A. - 36, 83
Trofimova, G. N. - 205
Trofimovskii, M. R. - 217
Trutneva, K. V. - 262
Tsibikov, V. B. - 294
Tur, I. O. - 57

U

Ul'yanov, N. A. - 7
Umanskii, I. Ya. - 7
Urmakher, L. S. - 120, 262, 265
Usachev, Yu. A. - 74, 111, 319, 334
Ustrizhitskaya, O. N. - 115
Utekhin, Yu. A. - 269
Uzvalok, M. A. - 187

V

Vainberg, M. Sh. - 63
Valiakhmetov, G. V. - 81
Val'ter, S. A. - 63
Vashchilo, E. E. - 3
Vasil'ev, Zh. Kh. - 81
Vatmakher, U. A. - 319
Verkin, B. I. - 224
Vil'ner, G. A. - 74, 149
Vlasov, G. P. - 47
Volodina, N. V. - 100
Vorob'ev, V. M. - 201
Vorogushin, V. A. - 115
Vorotyntseva, M. I. - 38, 220

W

Weinert, H. -24

Y

Yarmarkov, L . G. - 152, 242
Yukhananov, I. Kh. - 170
Yurasova, N. V. - 49
Yurevich, V. M. - 201

Z

Zemskov, V. S. - 41
Zhitomirskii, I. S. - 224
Zhuk, G. V. - 91
Zlotnikov, V. P. - 52
Zubzhitskii, Yu. N. - 78
Zverev, V. A. - 353

BIOMEDICAL ENGINEERING
Volume 5, Numbers 1-6, 1971
(A translation of Meditsinskaya Tekhnika)

Volume 5, Number 1 January-February, 1971

	Engl.	Russ.
Medical Equipment Industry on the Eve of the 24th Party Congress – Yu. G. Logachev . .	1	3
RESEARCH, DESIGN, AND TECHNOLOGY		
Selection of Filter Characteristics for Phase-Frequency Analysis of Electrical Signals from the Brain – E. E. Vashchilo	3	5
Blood Oxygen Pressure Flow Meter – N. A. Ul'yanov, A. Ya. Korobov, I. Ya. Gurevich, and I. Ya. Umanskii	7	9
Measurement of Blood Oxygen Pressure during Artificial Blood Circulation – V. E. Fridman and M. Ya. Khodas.	15	17
Hydrodynamic Indexes of Polymer Tubes of Heart-Lung Machines – A. A. Pisarevskii, Yu. V. Tishechkin, and L. N. Storozhenko	20	21
Investigation of the Operation of the East German Va-G-92 Intensitometer with Soviet Photographic Materials for Roentgenography – K. Friedrich, G. Taube, H. Weinert, V. Gordon, É. Chikirdin, V. Podgornyi, I. Taborovskii, and Yu. Mandelzweig.	24	25
Determination of Optimum Parameters of Charging Systems for Implanted Electrical Stimulators – A. I. Korobkov.	29	31
Substantiation of the Design Parameters of High-Refraction Negative Spectacle Lenses – L. I. Aizenshtat	33	34
Principles of Development of Instruments for Determining Bacterial Contamination of the Air – A. A. Treskunov.	36	37
Classification and Terminology of Medical Piercing Instruments (For Purposes of Discussion) – M. I. Vorotyntseva	38	39
EXCHANGE OF EXPERIENCE		
Mechanism for Gastrobiopsy – A. V. Tofan, N. G. Kukhta, and V. S. Zemskov	41	42
New Types of Orthodontic Screw Retainers – L. L. Soloveichik, M. A. Napadov, and T. S. Shigabutdinov	44	45
Combined Dilator for Measured Elimination of Stenosis of the Mitral, Aortic, and Tricuspid Valves in Adults and Children – S. S. Grigorov, I. A. Savel'ev, and G. P. Vlasov	47	47
INFORMATION		
SB-2 and SB-3 Instruments for Suturing Bronchi and Soft Tissues – N. N. Kapitanov, N. P. Petrova, and N. V. Yurasova	49	49
Apparatus for Deep Freezing of Biological Material with Programmed Control – B. A. Komarov, E. B. Gorbovitskii, I. A. Belova, and V. P. Zlotnikov	52	51
Microtome-Cryostat – V. A. Terletskii and G. S. Sereda	55	53
Two-Channel Magnetic Recorder for Infrasonic Physiological Information – I. O. Tur. . .	57	54
Four-Channel Electronic Integrator – I. G. Bershadskii.	59	56
ABROAD		
From the Pages of the Foreign Press	61	57

BOOK REVIEWS
I. A. Golubchin. Protection of Scientific Advances in Medical X Radiology – Reviewed by S. A. Val'ter and M. Sh. Vainberg 63 59
A. M. Kats and A. S. Kantorovich. Measuring and Dispensing Devices for Clinical and Diagnostic Laboratories – Reviewed by V. Ya. Mikheikin and D. V. Busygin . . . 65 60
F. M. Rabinovich. The Conductometric Method of Dispersion Analysis – Reviewed by V. I. Bel'kevich 67 61

CHRONICLES
Ultrasonic Diagnosis – A. Chevnenko and V. Mastryukov 69 62

Volume 5, Number 2 March-April, 1971

Trends in the Development of Medical Laboratory Techniques 71 3

RESEARCH, DESIGN, AND TECHNOLOGY
Current State and Development Prospects of Medical Thermostatic Devices –G. A. Vil'ner, S. P. Polyakova, and Yu. A. Usachev 74 6
Objective Recording of Fluorochromed Microorganisms in a Sample–L. A. Kiyanskaya, Yu. N. Zubzhitskii, and V. F. Kondrat'eva 78 11
Measurement of pH and CO_2 Tension in Blood–A. G. Akhmetov, A. A. Stakhov, G. V. Valiakhmetov, Zh. Kh. Vasil'ev, and S. V. Rozanov 81 14
Some Physical Methods when Developing Instruments of a Sanitary-Epidemiological Profile–A. A. Treskunov, A. V. Pozharov, and V. F. Kondrat'eva 83 16
Diagnosis of Certain Cardiac Rhythm Disorders by Multivariate Statistical Analysis –G. S. Firsova 85 18
Choice of Optimal Dimensions of Eyeglass Frames–G. V. Zhuk 91 25
Instrument for Determining the Distance from the Spectacle Lens to the Eye –L. I. Aizenshtat and V. A. Fedorchenko 97 31
Apparatus for the Comprehensive Study of the Function of External Respiration –S. P. Balitskii, N. V. Volodina, R. G. Gryunmal', A. E. Rafal'son, M. E. Slutskii, and L. F. Sochivko 100 33
MK-1 Microclimatic Chamber–S. Kh. Ishuev and R. S. Sadykov 103 36
Perfecting the Production Technology of Medical Products–B. E. Apatovskii and A. A. Belinkin 106 39
Investigation of the Corrosion Resistance of Brass in a Dipterex Solution–N. Z. Kiba and N. P. Poddubnaya 109 42

SURVEYS
Prospects for the Automation of Medical and Biological Research on the Basis of Electroanalytical Principles–Yu. A. Usachev and V. S. Andreev 111 44
Photoelectric Oxyhemometers with Fiber Optics–I. A. Kruzhalova, V. V. Malysheva, O. N. Ustrizhitskaya, and V. A. Vorogushin 115 48

EXCHANGE OF EXPERIENCE
Infrared Ophthalmological Instrument–L. S. Urmakher, V. V. Nabatchikov, K. N. D'yachkov, and Z. Sh. Shapiro 120 53
Transistorized Ophthalmic Tonograph–Yu. I. Sakharov, A. P. Nesterov, N. V. Kudashov, and G. A. Kiselev 123 56
Photoattachments for Type DUK-11IM and DUK-13IM Flaw Detectors–B. V. Lozovskii . 126 58
Improvement of Pulleys in Splints for Traction–N. K. Mityunin and V. V. Klyuchevskii . 127 59

INFORMATION
KVL-1 Hydrotherapeutic Cabinet–I. P. Gladilin 128 59
ASh-380 Autoclave–G. I. Savel'ev and G. M. Bezdetko 130 60

Engl./Russ.

ABROAD
From the Pages of Foreign Journals 132 62

CHRONICLES
30th Session of the General Assembly of the Academy of Medical Sciences of the USSR —A. M. Geselevich 134 63

Volume 5, Number 3 May-June, 1971

Day of the Medical Worker 137 3
Tasks of Medical Instrument Manufacture 139 5
New Medical Techniques in Modern Surgery — A. M. Geselevich 141 7

RESEARCH, DESIGN, AND TECHNOLOGY
Photometric Hemoglobin Concentration Determination — B. M. Kotenev, K. N. Sausen, A. N. Galushkin, and L. A. Danilova 144 11
New Principle of Electric Stimulation of the Motor Activity of the Stomach — M. A. Sobakin and A. A. Skhiladze 147 15
Error Estimation in Measurement of an Integrated Signal — G. A. Vil'ner and L. I. Shifrin 149 17
New Apparatus for Local Hypothermia of the Stomach — L. G. Yarmarkov, Yu. P. Stadnitskii, and Yu. I. Gallinger 152 20
On the Accuracy of Dosimetry in UHF Therapy — O. V. Shereshevskii 155 23
Strength Testing of the Body of a Pressurized Treatment Chamber Made of Orthotropic Two-Layer Fiberglass — I. E. Baranik, V. P. Khoroshilov, I. V. Kaminskii, T. A. Sultanov, and V. P. Baldin 160 29
Technical Methods for Diagnosing Lung Cancer — B. E. Gaisinskii 162 31
"Oxybar-1" Hyperbaric Chamber — S. A. Glukhov, F. R. Chernyakhovskii, and E. N. Reiderman 166 36
Two-Frequency Echo Recording Method for Differential Tumor Diagnosis — A. A. Chevnenko and I. Kh. Yukhananov 170 40
A System of Evaluating the Standardization Levels of Medical Technology Items — Yu. I. Ivlichev and G. S. Pleshanov 172 42

REVIEWS
Current State and Long-Range Prospects of the Development of Equipment for Hyperbaric Oxygenation — T. A. Sultanov and V. P. Baldin 176 46

EXCHANGE OF EXPERIENCE
Experimental Hyperbaric Surgical Chamber of the A. N. Bakulev Institute of Cardiovascular Surgery — V. I. Burakovskii, L. A. Bokeriya, M. N. Bergel'son, G. V. Molodtsov, E. N. Shapiro, V. N. Siluanov, and K. I. Lanchikov 181 52
Modification of the Foam-Film Oxygenator with a Heat Exchanger for Use in Cardiac Surgery on Young Children — O. P. Shalybkova and A. N. Sitalo 184 55

INFORMATION
Mobile Disinfecting Unit — M. A. Uzvalok 187 58
Apparatus for Shaking Liquids — R. M. Petrovskaya 189 59

FROM ABROAD
From the Pages of Foreign Journals 191 60

Volume 5, Number 4 July-August, 1971

Decisions of the 24th Congress of the CPSU in Action! Socialist Obligations of Collectives of Enterprises, Sovkhozes, and Organizations of the Ministry of the Medical Industry of the USSR for Early Fulfillment of the 1971 Plan	193	3
Medical Equipment Industry in the Latest Five-Year Plan – V. A. Dvoryakovskii	195	4
Servicing System for Medical Equipment in the Russian Soviet Federative Socialist Republic (RSFSR) – E. S. Rapoport	198	7
RESEARCH, DESIGN AND TECHNOLOGY		
Application of Type RO Respirators for Supportive Pulmonary Ventilation after Intrathoracic Operations – V. M. Yurevich and V. M. Vorob'ev	201	9
"Biopul's-2" Apparatus for Supportive Blood Circulation – M. A. Belilovskii, I. I. Berger, O. A. Frolkin, A. A. Stetsin, G. N. Trofimova, and V. E. Gusman	205	14
Continuous Registration Method for the Volume Velocity of Blood Flow in Undissected Vessels Using Miniature Electromagnetic Transducers – A. B. Soroka	209	19
Instrument for Indicating the Approach of Toxic Activity of Oxygen – Yu. A. Nabatov, I. P. Berezin, V. P. Baldin, and B. N. Rostovtsev	214	23
PGI-1 and PGI-2 Oxyspirocarbographs – A. A. Stakhov, M. R. Trofimovskii, and M. G. Shapiro	217	26
Classification and Terminology of Medical Dilating and Separating Instruments – M. I. Vorotyntseva	220	31
Classification of Instruments for Cryosurgery – Yu. P. Borodai, B. I. Verkin, I. S. Zhitomirskii, and E. Ya. Itskov	224	34
REVIEWS		
Principles of Construction of Automatic Biochemical Analyzers – B. M. Kotenev	227	37
Foreign Gynecological Instruments (from Catalogs and Prospectuses of Foreign Companies) – A. Kh. Izmailov and M. I. Slepov	231	41
Introduction of Soviet Stitching Instruments into Surgical Practice – A. M. Geselevich	234	43
EXCHANGE OF EXPERIENCE		
Electronic Device for Hypothermia of the Brain – E. A. Kolenko and M. S. Bezukh	239	48
Thermoregulator for Heart-Lung Machines – A. A. Pisarevskii, Yu. P. Stadnitskii, E. M. Brazhnikov, L. G. Yarmarkov, and Yu. I. Savkin	242	51
Use of an Operating Microscope for Endolaryngeal Interventions and Cinematography of the Larynx – S. N. Man'ko and D. G. Chireshkin	244	52
INFORMATION		
New Set of Oxygen Therapy Apparatuses – S. A. Glukhov, A. L. Novikov and V. N. Sharapov	247	55
New Manufactured Apparatuses – S. S. Salov	252	59
FROM ABROAD		
From the Pages of Foreign Journals	256	63

Volume 5, Number 5 September-October, 1971

New Equipment in Ophthalmology	259	3
INVESTIGATIONS, DESIGN, AND TECHNOLOGY		
Television Instrument for the Investigation of Eyes – K. V. Trutneva, L. S. Urmakher, Z. Sh. Shapiro, and S. P. Gaevoi	262	5
Creation of a Domestic Set of Iseikonic Lenses – É. S. Avetisov, L. S. Urmakher, L. I. Aisenshtat, and Z. Sh. Shapiro	265	9

	Engl.	Russ.
Vertical Decentering of Lenses in Correcting Spectacles – Yu. A. Utekhin	269	13
Instruments for Investigating and Training the Oculomotor Apparatus – V. M. Dolbishcheva and A. A. Dikov	271	14
Large-Diameter Anastigmatic Spectacle Lenses – L. I. Aizenshtat	274	17
Functional Evaluation of the Effectiveness of Foam-Film Oxygenators – L. A. Levitskaya and N. A. Super	278	21
Bubble Oxygenator of Blood with a High Oxygen Pressure – E. M. Brazhnikov, V. A. Kuznetsov, V. I. Mamlina, A. A. Pisarevskii, and E. K. Russiyan	283	26
Linearization of the Measuring Characteristic of Radiological Ratemeters – N. G. Gorbushin	287	30
Aging of Certain Polymers and Ways of Increasing Their Deformation Resistance – M. Z. Shteingart, P. V. Melent'ev, L. N. Petrova, and E. N. Petrov	290	33
REVIEWS		
Water Treatment Methods and Their Use for Obtaining Distilled Water – V. B. Tsibikov, Yu. A. Shvedov, and O. I. Belova	294	36
EXCHANGE OF EXPERIENCE		
Organization of the Oncological Laser Therapy Department – N. F. Gamaleya, I. R. Lazarev, and Kh. A. Baratov	297	40
Portable Transistorized Generator for Ultrasonic Therapy – A. L. Andreev and A. N. Basov	300	42
Vibration Finishing of Medical Tools – R. N. Sadykov and Kh. S. Meneheev	302	44
Experimental and Clinical Use of a Paired Cardiostimulator – V. N. Nasledkov, V. P. Polyakov, R. Sh. Fridman, V. A. Khristyuk, and V. M. Chernovoi	304	45
Some Techniques for Increasing the Accuracy of Determining and Evaluating the Indices of Pulmonary Capacities – A. M. Marin	309	49
Obtainment of an Image of the Normal and Pathological Pancreas on a Scintillation Gamma Camera – A. I. Egorov, Yu. N. Kasatkin, and I. I. Purizhanskii	312	52
Trial Use of Radio Communications under Conditions at Major Clinical Hospitals – V. N. Stepanov	314	54
OUR ADVICE		
Adapter for Determining the Voltage and Break of the Filament of an X-Ray Tube – G. I. Alekseev	316	55
INFORMATION		
An Appliance for Eye Massage – V. F. Aleksankin	317	56
Conductometric (Titration) Particle Counter – Yu. A. Usachev, U. A. Vatmakher, and F. M. Rabinovich	319	57
Trial Use of "Progress II" Protective Eyeglasses in Industry – E. D. Baeva	321	59
A New Obstetric Bed – E. A. Lopatin	322	59
A New Trolley for Moving Heavy Patients – E. A. Lopatin and S. E. Semenov	323	60
A Mechanically Operated Protective Door – E. P. Novikova and R. M. Petrovskaya	324	60
CHRONICLES		
All-Union Scientific and Technical Conference "Technical Level of Production of Medical Equipment and Prospects of Its Improvement" – T. A. Tomkevich	325	61
FROM FOREIGN JOURNALS	326	62

Volume 5, Number 6 November-December, 1971

Modern Surgery and Biomedical Engineering 329 3

RESEARCH, DESIGN, AND TECHNOLOGY

The Scope for Automatic Clinical Biochemical Fluorimetry—Yu. M. Kutev and L. M. Pyrkov 331 5

Optimal Parameters of a Thromboelastogram for Automatic Digital Recording of Blood Clotting—Yu. A. Usachev, A. N. Galushkin, L. I. Shifrin, M. A. Kotovshchikova, and E. G. Ginzburg 334 10

Calculation of the Temperature Distribution in a Biological Object Heated by Microwaves—R. I. Kovach 336 12

Errors in Time Interval Measurements of Electrocardiograms—G. S. Firsova and I. A. Ovsyshcher 340 16

Device for Contactless Recording of the Pulse and Kinetocardiogram —B. F. Filyakin and V. M. Provotorov 345 21

Automatic Data Processing Device for an Analytical Ultracentrifuge —A. Kh. Margolin, B. M Levin, A. V. Labazov, Yu. A. Lonskii, and A. I. Samburskii 347 22

Instrument for Measuring Volumes and Pressures inside Cavities —I. G. Lipov, A. A. Pomazov, L. S. Kuz'minskii, A. F. Lifanov, N. I. Grigor'ev, I. I. Ryazanov, and I. P. Shevtsov 350 25

A Spectral Approach to Quantitative Ballistocardiogram Evaluation —V. A. Zverev, V. A. Antonets, and I. K. Spiridonova 353 28

Electric Stimulator of Gastric Motor Activity with Biocontrol —A. A. Skhiladze 357 33

Instrument for Direct Measurement of Blood Pressure—V. M. Akhutin, I. G. Gamper, B. T. Naumov, L. A. Osipovich, A. N. Pashkovskii, D. L. Sverdlov, and O. I. Khazanova 359 34

Pneumatic Pulsator for Testing Artifical Blood Vessels—A. V. Petrauskas and M. M. Gutauskas 362 36

Planning of the Volume of Tests and Evaluation of Reliability of Medical Equipment —Yu. F. Kabatov and M. B. Slavin 365 39

Unified Series of Vaccum Pumps for Medical Suction Pumps—L. S. Sambek, V. I. Komarova, and A. G. Shul'meister 369 43

New Technology and Equipment for the Manufacture of Root Canal Fillers —R. N. Nazyrov 371 45

REVIEWS

Prospects of the Development of Distillation Apparatuses—Yu. A. Shvedov 374 49

EXCHANGE OF EXPERIENCE

Electrodes with Burned-in Platinum for Contact Conductometry—B. P. Artamonov, M. S. Grilikhes, F. S. Kontorovich, and B. K. Filanovskii 377 52

INFORMATION

Bed for Children with Tuberculosis of Bones—E. A. Lopatin 379 54

New Industrially Produced Apparatus—S. S. Salov 380 54

FROM ABROAD

From the Pages of Foreign Journals 384 58

INDEX

Author Index, Volume 5, Numbers 1-6, 1971 389

Tables of Contents, Volume 5, Numbers 1-6, 1971 391